

WHAT IS CLAIMED IS:

- 1 1. A system, comprising:
2 a first store for storing a first workspace element in a first
3 format;
4 a second store for storing a second workspace element which is
5 an independently-modifiable copy of the first workspace element in
6 a second format;
7 a communications channel coupling the first store to the second
8 store;
9 synchronization means for synchronizing the first workspace
10 element and the second workspace element; and
11 a translator for translating between the first format and the
12 second format.
- 1 2. The system of claim 1, wherein the first format is the same as
2 the second format.
- 1 3. The system of claim 1 wherein the second format includes
2 HTML.
- 1 4. The system of claim 1, wherein the first store is in a LAN.

1 5. The system of claim 1, further comprising a firewall for
2 protecting the first store.

1 6. The system of claim 1, further comprising a firewall for
2 protecting the second store.

1 7. The system of claim 1, wherein the synchronization means
2 includes

3 a first general synchronization module for examining the first
4 workspace element at the first store to determine whether it has
5 been modified; and

6 a second general synchronization module for examining the
7 second workspace element at the second store to determine whether
8 it has been modified.

1 8. The system of claim 7, wherein

2 the first workspace element and the second workspace element
3 each include version information; and

4 the first and second general synchronization modules each
5 examine the version information of each workspace element to a last

6 synchronization signature to determine whether the workspace
7 element was modified.

1 9. The system of claim 1, wherein the synchronization means
2 includes a synchronization-start module for determining when to
3 initiate synchronization.

1 10. The system of claim 1, wherein the first workspace element
2 includes a first folder and the second workspace element includes a
3 second folder.

1 11. The system of claim 10, further comprising a content-based
2 synchronization module for examining content of the first workspace
3 element and of the second workspace element when the first
4 workspace element and the second workspace element have both
5 been modified since the last synchronization.

1 12. The system of claim 11, wherein the content-based
2 synchronization module determines if any conflicts exist, and if so
3 then the content-based synchronization module reconciles the
4 conflicts.

1 13. The system of claim 11, wherein the content-based
2 synchronization module determines if any conflicts exist, and if not
3 then the content-based synchronization module integrates the
4 changes made to each workspace element.

1 14. The system of claim 1, further comprising a third store
2 coupled to the second store for storing a third workspace element in
3 a third format.

1 15. The system of claim 14, wherein the translator translates
2 between the second format and the third format.

1 16. The system of claim 8, wherein the version information
2 indicates the status of each workspace element as of the last
3 synchronization.

1 17. A method, comprising:
2 accessing a first store storing a first workspace element in a
3 first format;
4 accessing a second store storing a second workspace element
5 which is an independently-modifiable copy of the first workspace
6 element in a second format;

7 synchronizing the first workspace element and the second
8 workspace element; and
9 translating between the first format and the second format.

1 18. The method of claim 17, wherein the first format is the same
2 as the second format.

1 19. The method of claim 17, wherein the second format includes
2 HTML.

1 20. The method of claim 17, wherein the first store is in a LAN.

1 21. The method of claim 17, wherein the first store is protected by
2 a firewall.

1 22. The method of claim 17, wherein the second store is protected
2 by a firewall.

1 23. The method of claim 17, further comprising
2 examining the first workspace element to determine whether it
3 has been modified; and

4 examining the second workspace element to determine
5 whether it has been modified.

1 24. The method of claim 23,
2 wherein the first workspace element and the second workspace
3 element each include version information; and
4 further comprising the step of comparing the version
5 information of each workspace element to a last synchronization
6 signature to determine whether the workspace element was
7 modified.

1 25. The method of claim 17, further comprising the step of
2 determining when to initiate synchronization.

1 26. The method of claim 17, wherein the first workspace element
2 includes a first folder and the second workspace element includes a
3 second folder.

1 27. The method of claim 26, further comprising the step of
2 examining content of the first workspace element and of the second
3 workspace element when the first workspace element and the

4 second workspace element have both been modified since the last
5 synchronization.

1 28. The method of claim 27, further comprising the step of
2 determining if any conflicts exist, and if so then reconciling the
3 conflicts.

1 29. The method of claim 27, further comprising the step of
2 determining if any conflicts exist, and if not then integrating the
3 changes made to each workspace element.

1 30. The method of claim 17, further comprising the step of
2 accessing a third store coupled to the second store storing a third
3 workspace element in a third format.

1 31. The method of claim 30, wherein further comprising the step of
2 translating between the second format and the third format.

1 32. The method of claim 24, wherein the version information
2 indicates the status of each workspace element as of the last
3 synchronization.

1 33. A system, comprising:

2 means for accessing a first store storing a first workspace

3 element in a first format;

4 means for accessing a second store storing a second workspace

5 element which is an independently-modifiable copy of the first

6 workspace element in a second format;

7 means for synchronizing the first workspace element and the

8 second workspace element; and

9 means for translating between the first format and the second
10 format.

1 34. A computer-readable storage medium storing program code for
2 causing a computer to perform the steps of:

3 accessing a first store storing a first workspace element in a
4 first format;

5 accessing a second store storing a second workspace element
6 which is an independently-modifiable copy of the first workspace
7 element in a second format;

8 synchronizing the first workspace element and the second
9 workspace element; and

10 translating between the first format and the second format.

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